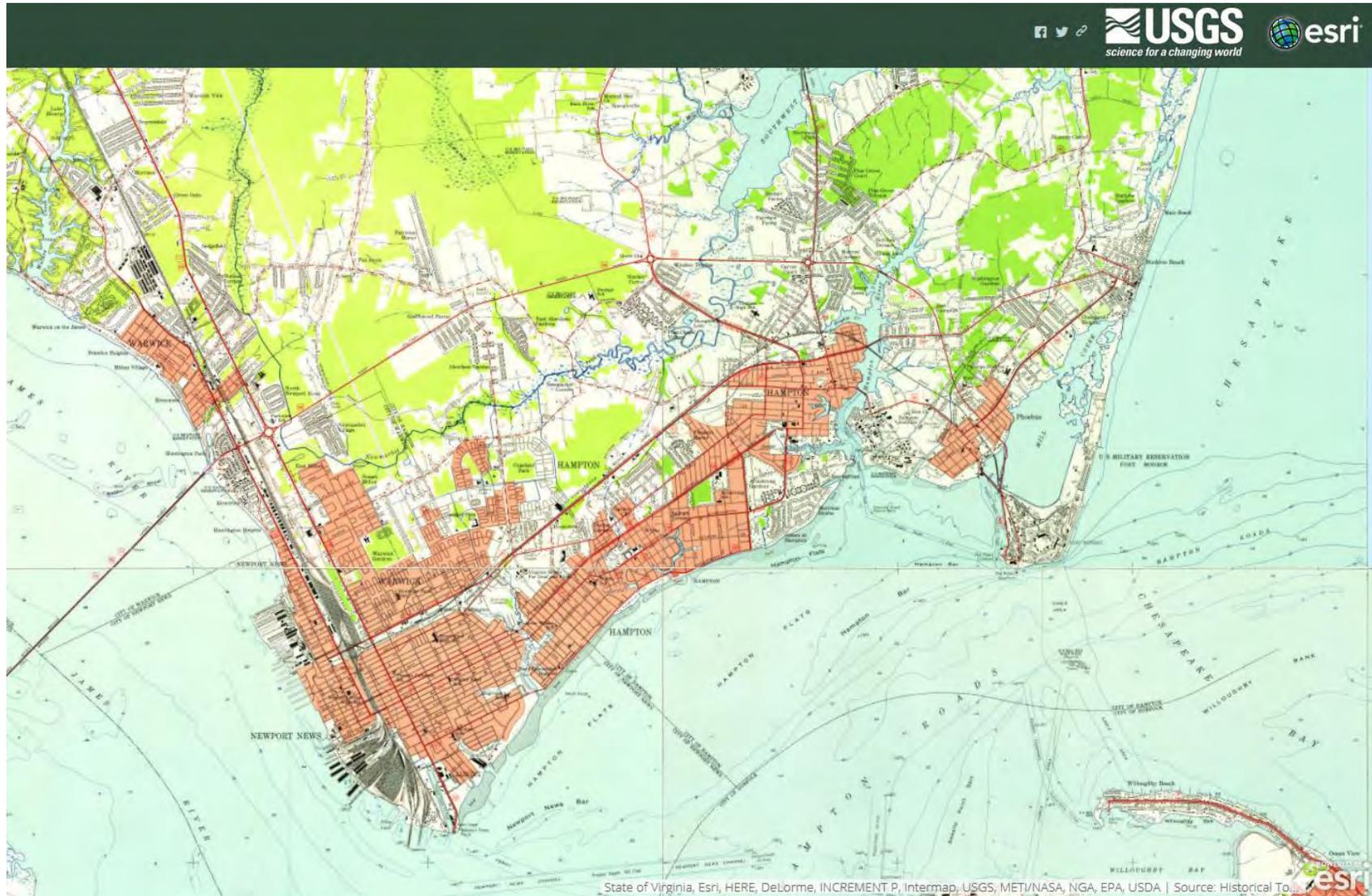


The following historical topographic mapping and aerial photographs illustrate the changes in land use that have occurred in the Hampton Roads region over time within the Socioeconomic Resources Indirect and Cumulative Effects Study Area. This appendix includes historic topographic mapping from: 1955, 1964, 1965, 1973, and 1986 and aerial photos from 1963, 1982, 1983, 1990, 1991, 1994, 2002, and 2010.

Figure F-1: 1955 Historical Topographic Maps (Hampton / Newport News)

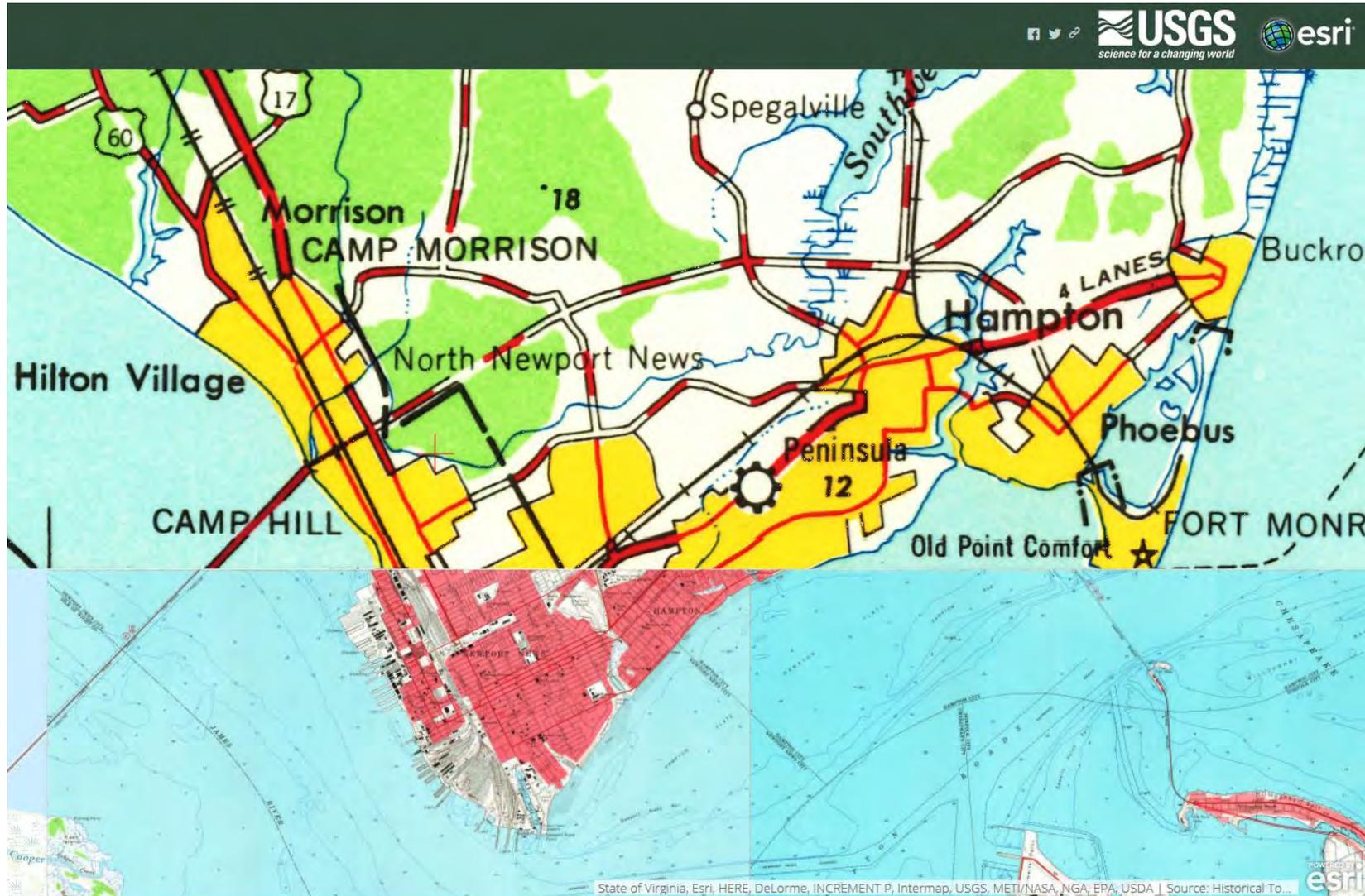


Quadrants: Morrison, Newport News, Hampton, Norfolk North, and Ocean View

Figure F-2: 1963 Aerial of Newport News and Hampton (USGS, 1963)

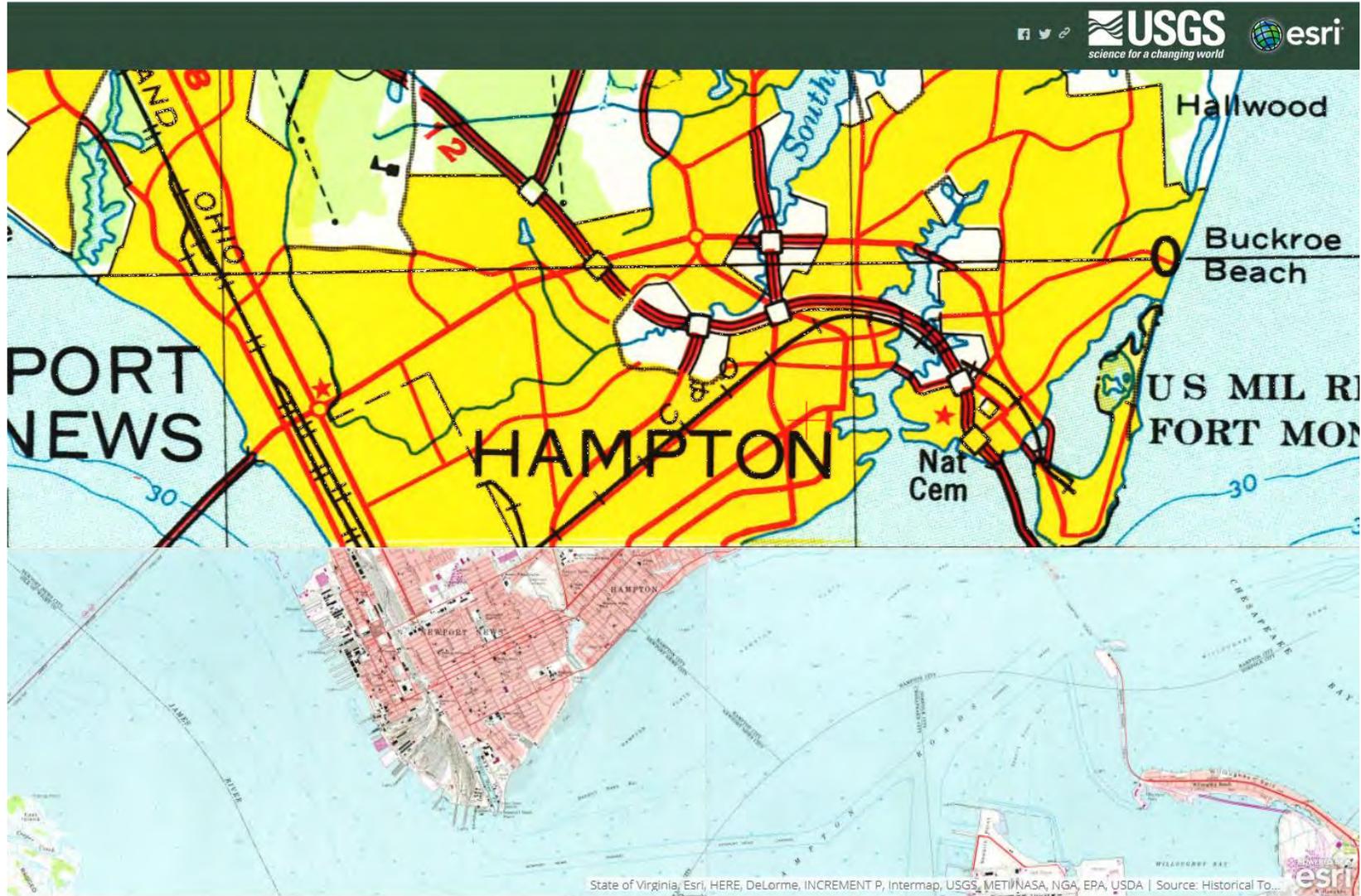


Figure F-4: 1964 and 1965 Historical Topographic Maps (Hampton /Newport News)



Quadrants: Richmond, Norfolk North, and Newport News South

Figure F-5: 1973 Historical Topographic Maps (Hampton /Newport News)



Quadrants: Richmond, Newport News South, and Norfolk North

Figure F-6: 1982 Aerial of Newport News (USGS, 1982)



Figure F-7: 1983 Aerial of Hampton and Norfolk (USGS, 1983)



Figure F-8: 1986 Historical Topographic Maps (Hampton /Newport News)

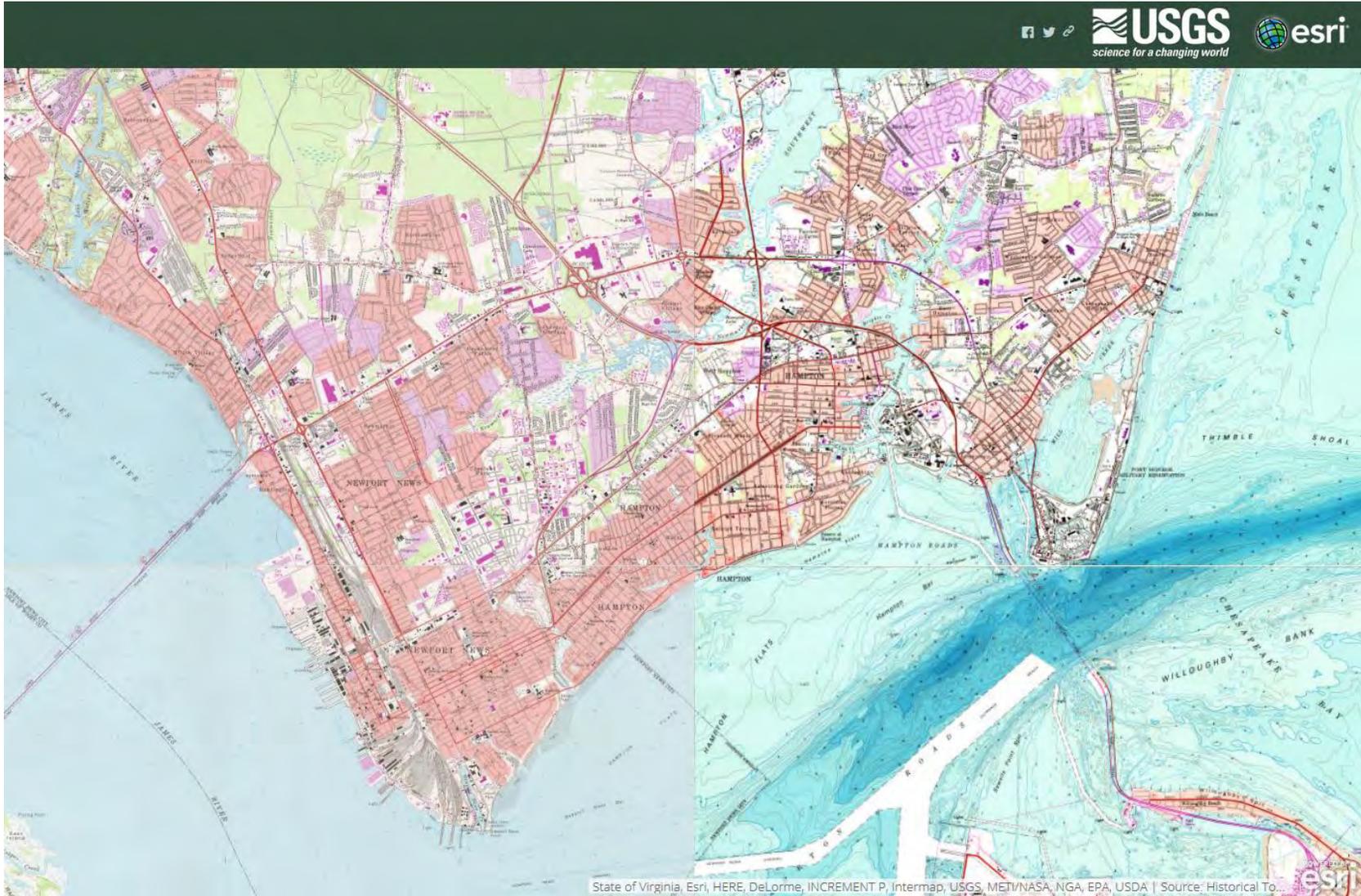


Figure F-9: 1991 Aerial of Newport News (USGS, 1991)



Google earth



Figure F-10: 1994 Aerial of Hampton (USGS, 1994)



Google earth



Figure F-11: 2002 Aerial of Newport News and Hampton (USGS, 2002)



Google earth

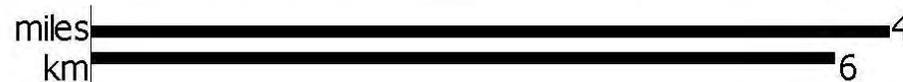


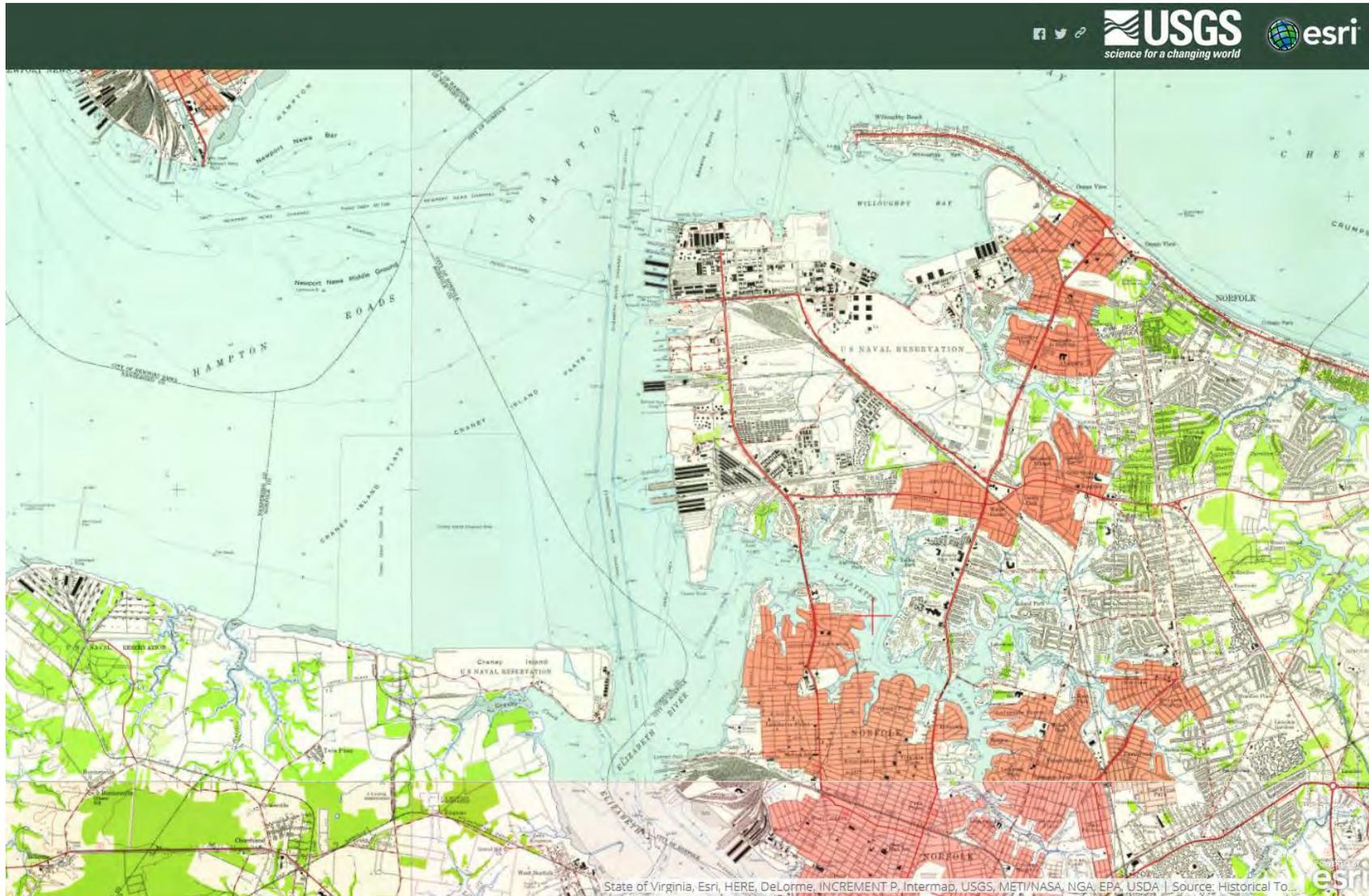
Figure F-12: 2010 Aerial of Newport News and Hampton (Google Earth, 2010)



Google earth

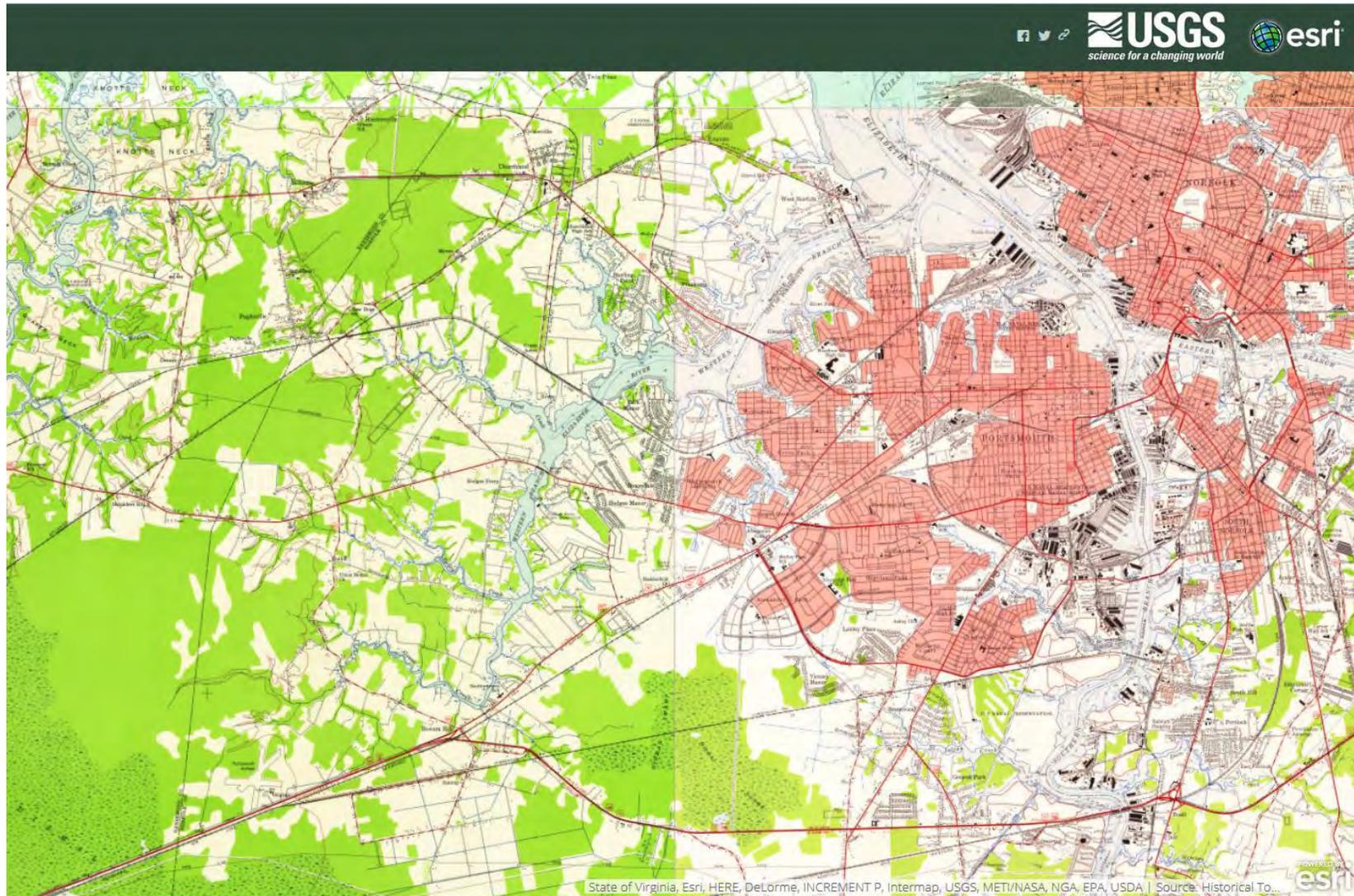


Figure F-13: 1955 Historical Topographic Maps (Norfolk / Portsmouth / Suffolk)



Quadrants: Norfolk North, Ocean View, Newport News, Bowers Hill, Norfolk South, and Kempsville

Figure F-14: 1955 Historical Topographic Maps (Suffolk / Portsmouth / Chesapeake)



Quadrants: Bowers Hill, Norfolk South, and Kempsville

Figure F-15: 1963 Aerial of Norfolk (USGS, 1963)



Figure F-16. 1963 Aerial of Suffolk, Portsmouth, Chesapeake to Bowers Hill (USGS, 1963)



Figure F-17: 1963 Aerial of Craney Island and Portsmouth (USGS, 1963)

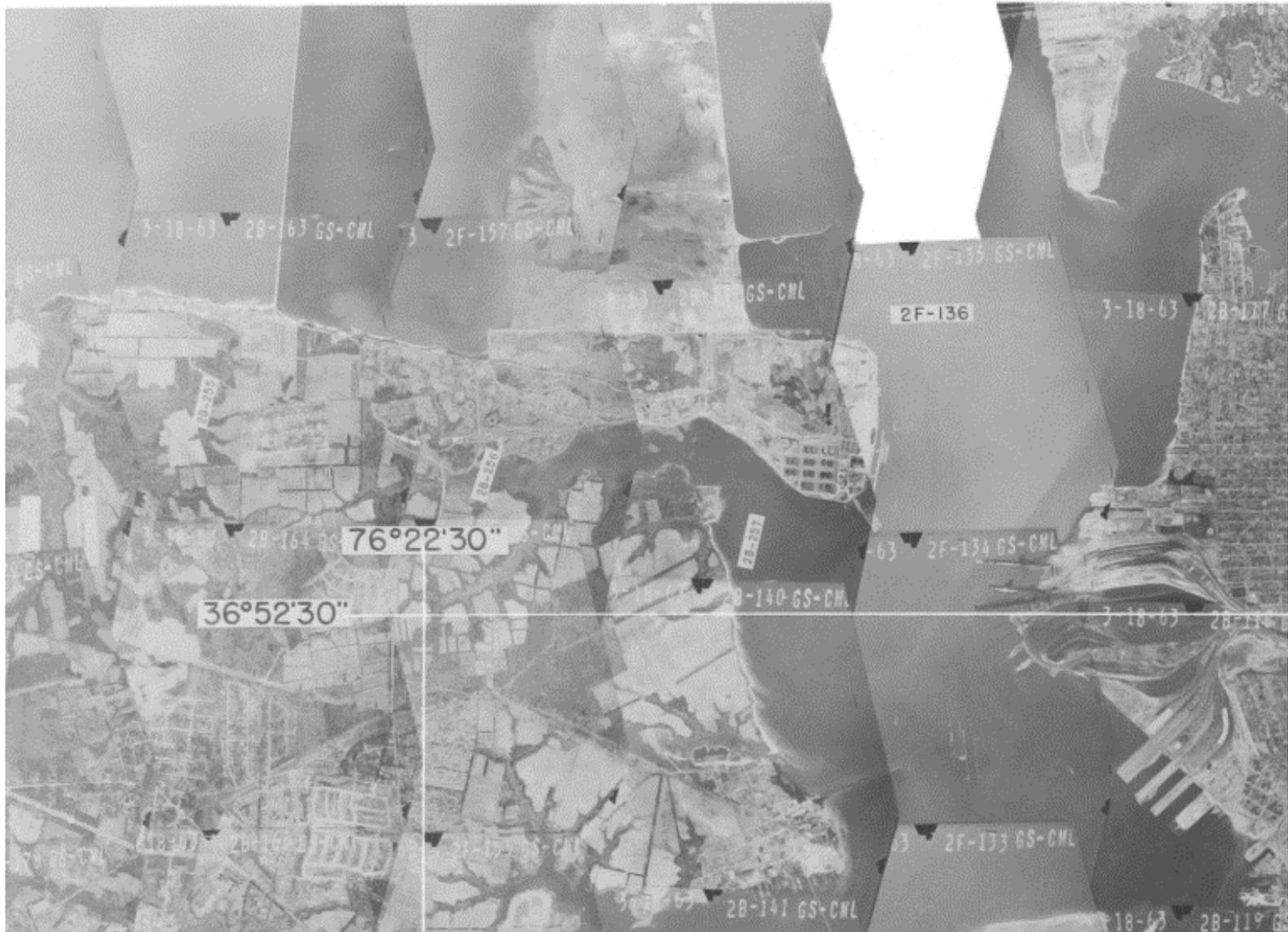
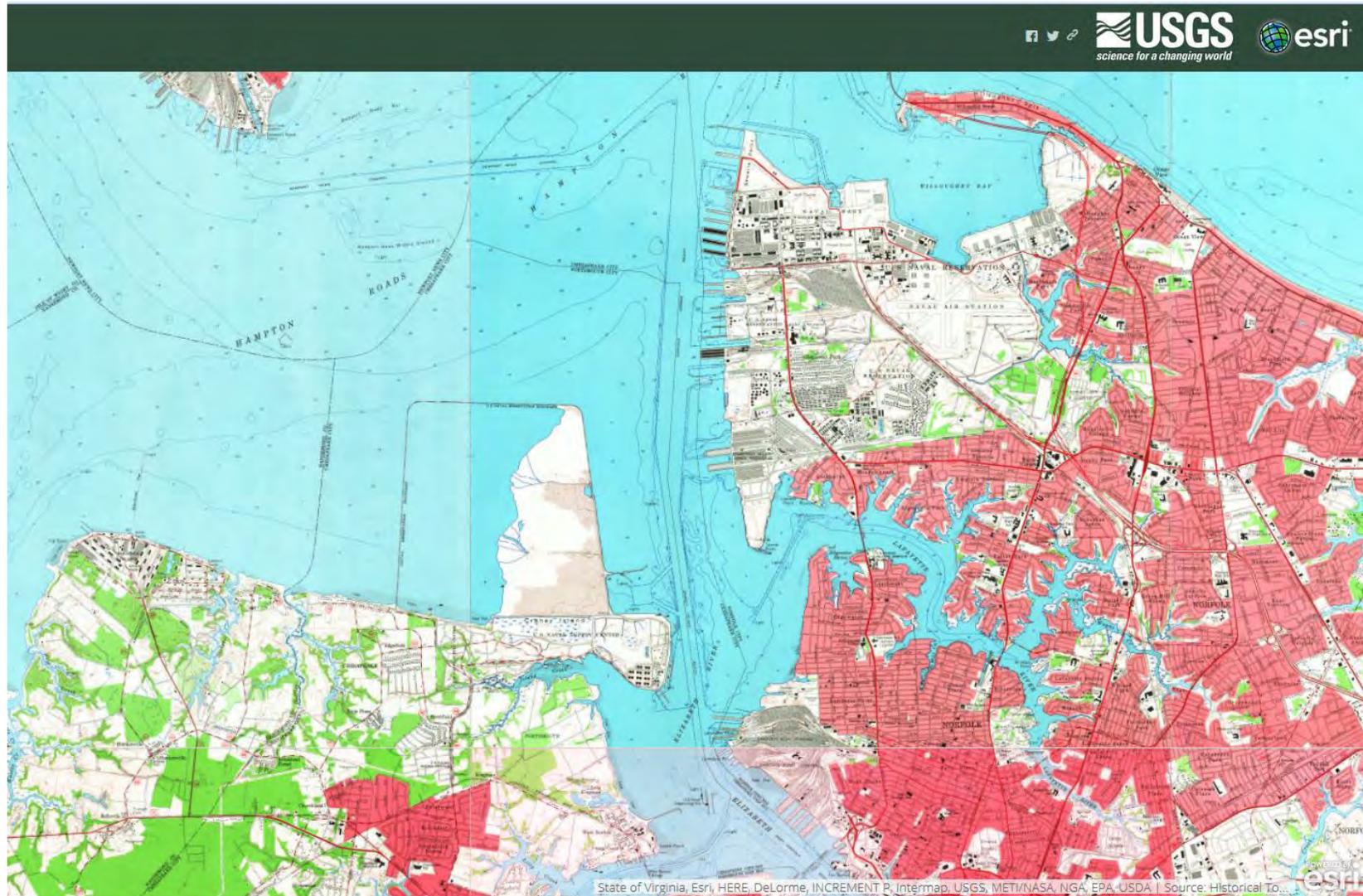
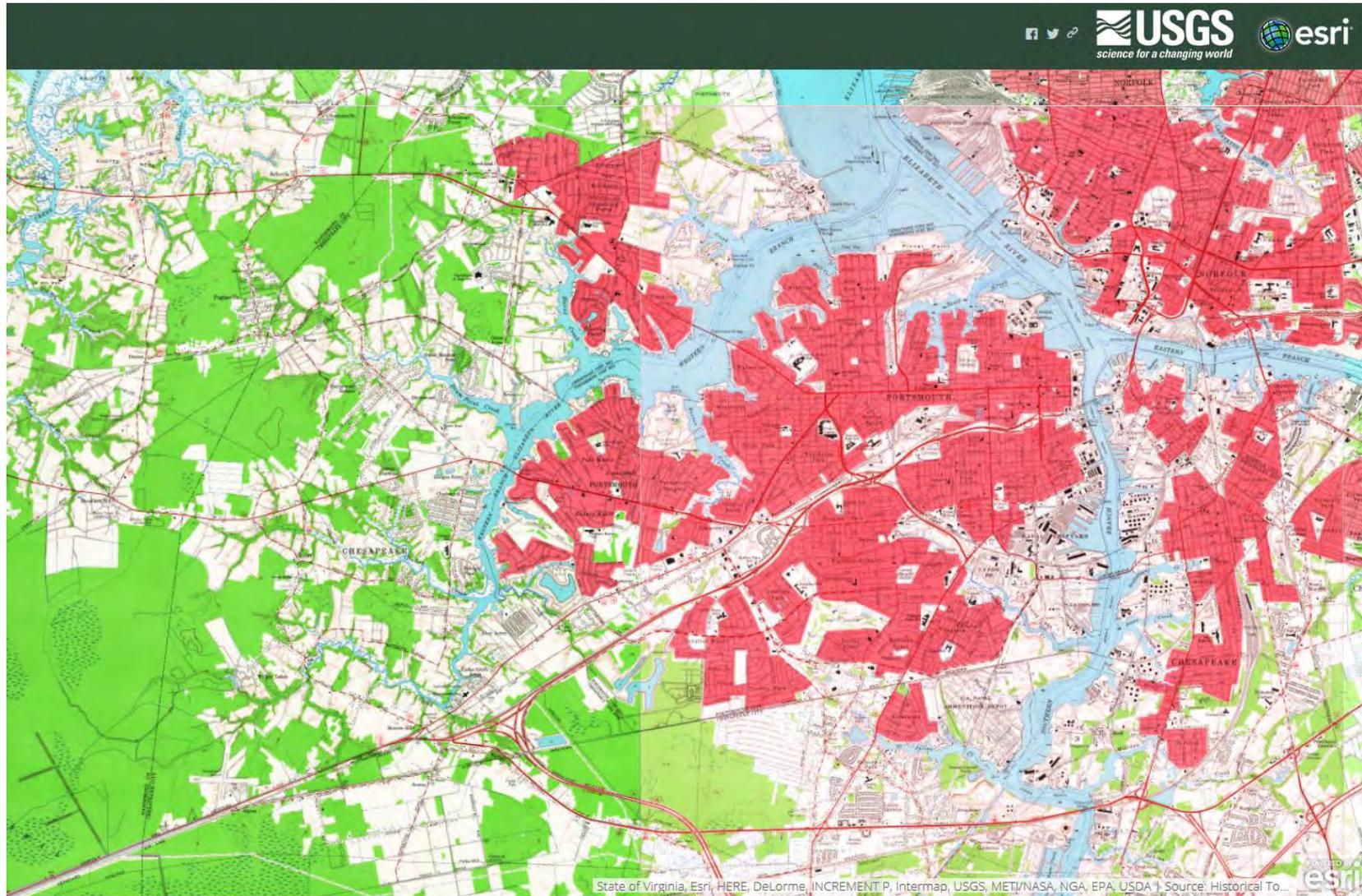


Figure F-18: 1964 and 1965 Historical Topographic Maps (Norfolk / Portsmouth / Suffolk)



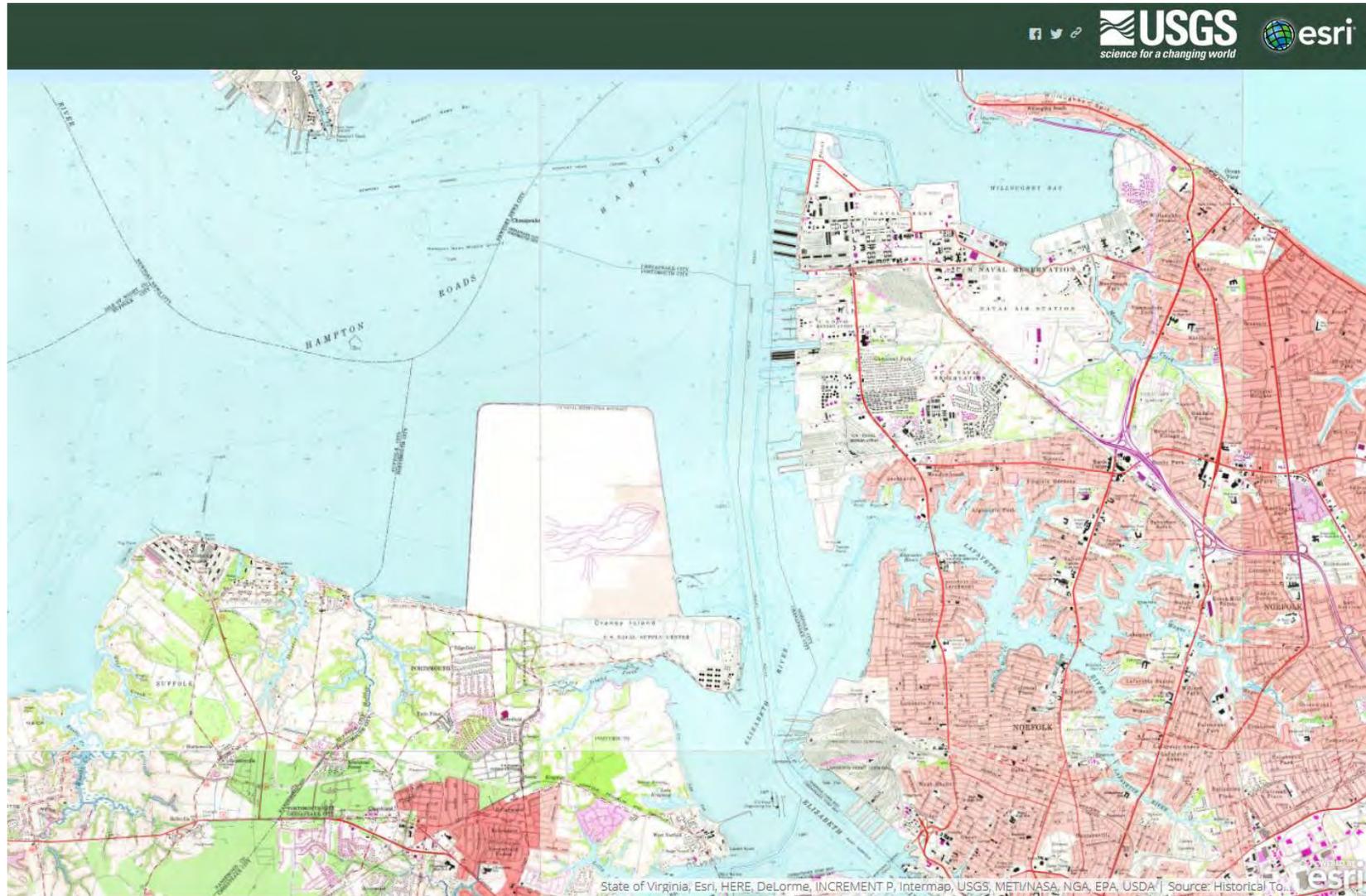
Quadrants: Newport News South, Norfolk North, Little Creek, Bowers Hill, Norfolk South, and Little Creek

Figure F-19: 1964 and 1965 Historical Topographic Maps (Suffolk / Portsmouth / Chesapeake)



Quadrants: Bowers Hill, Norfolk South, and Kempville

Figure F-20: 1973 Historical Topographic Maps (Norfolk / Portsmouth / Suffolk)



Quadrants: Newport News South, Norfolk North, Little Creek, Bowers Hill (1970), Norfolk South, and Kempsville

Figure F-21: 1982 Aerial of Norfolk and Portsmouth (USGS, 1982)



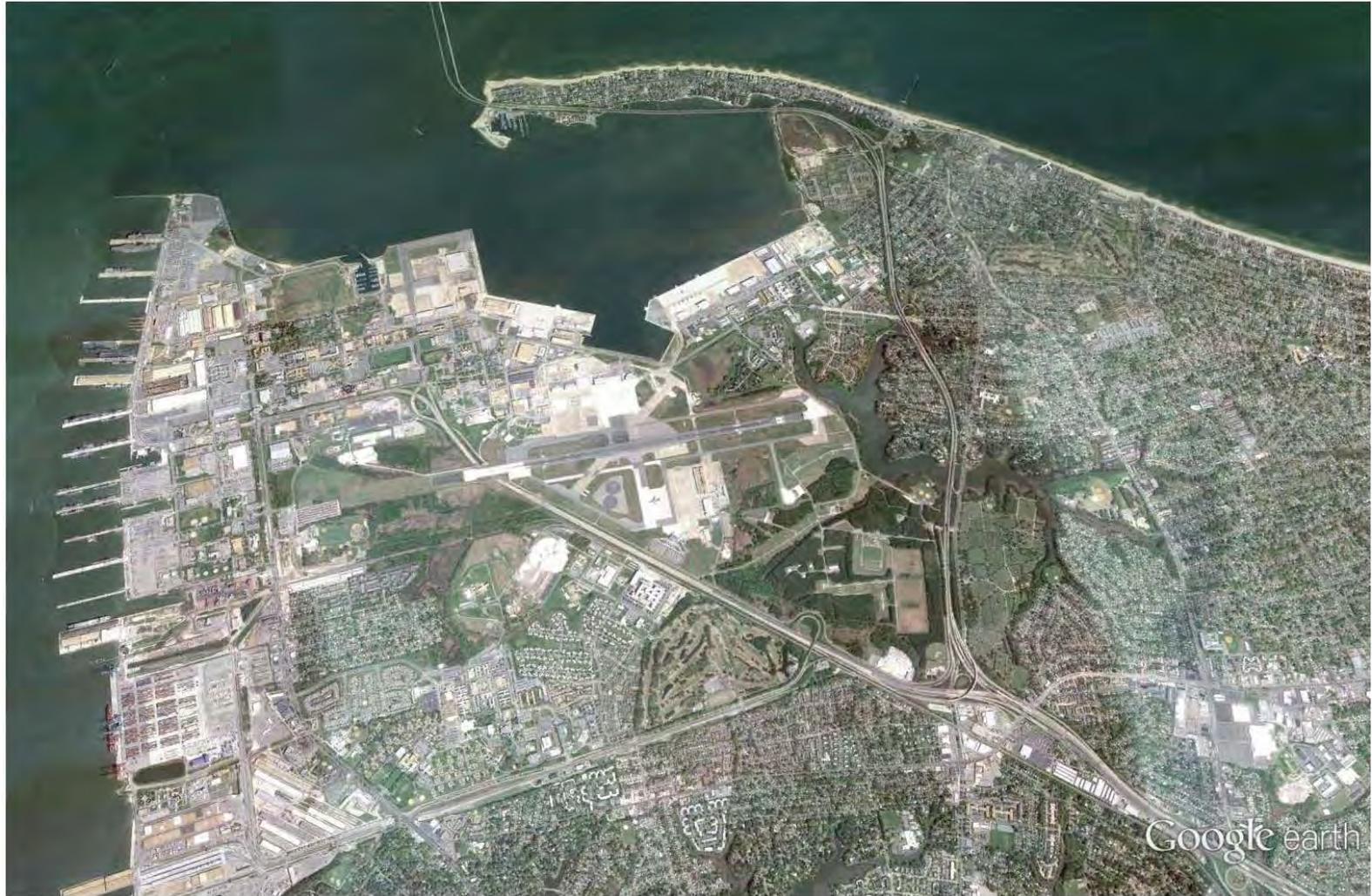
Figure F-22: 1990 Aerial of Norfolk (Google Earth, 1990)



Google earth



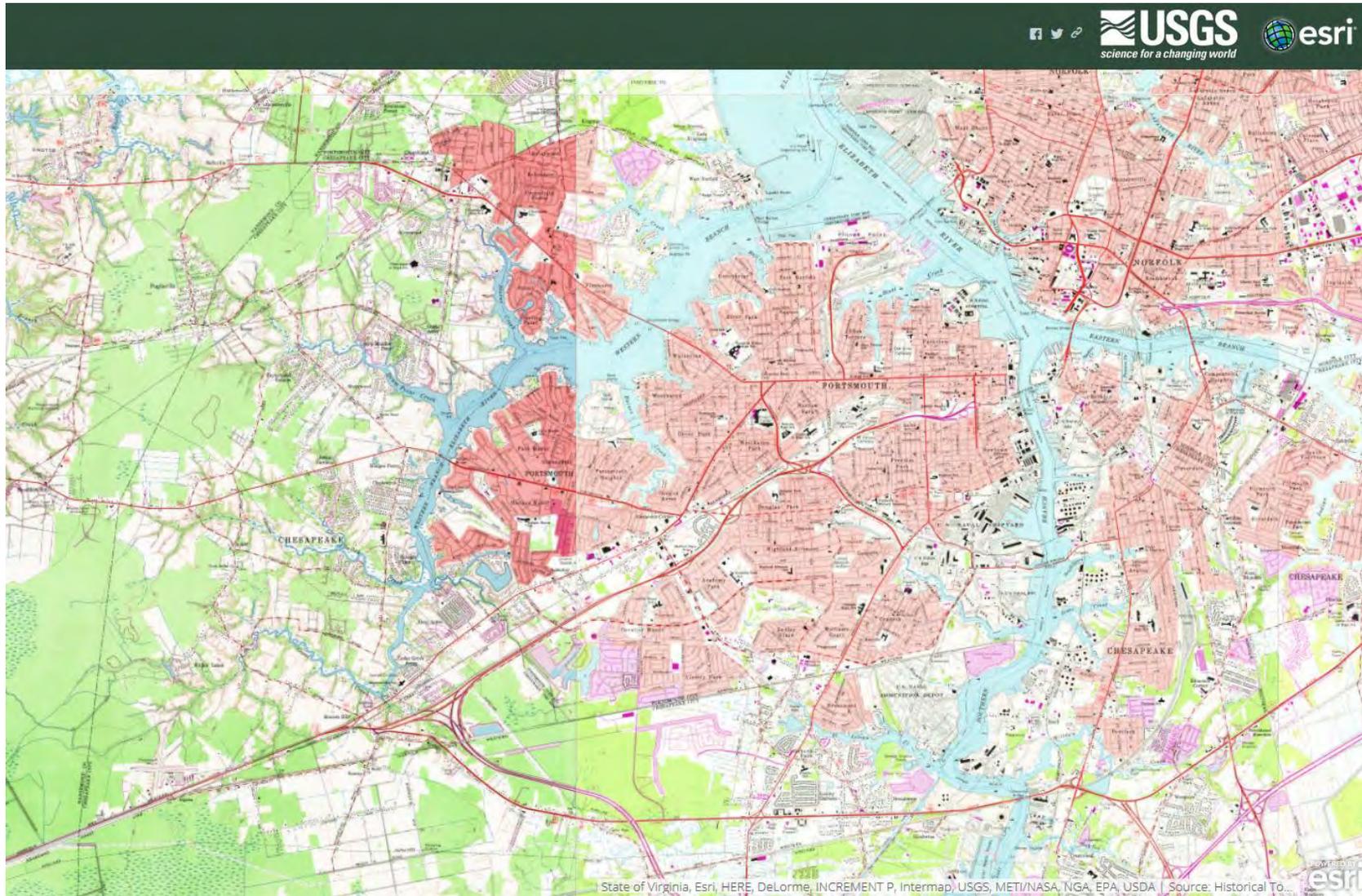
Figure F-23: 2010 Aerial of Norfolk (Google Earth, 2010)



Google earth



Figure F-24: 1973 Historical Topographic Maps (Suffolk / Portsmouth / Chesapeake)



Quadrants: Bowers Hill (1970), Norfolk South, and Kempsville

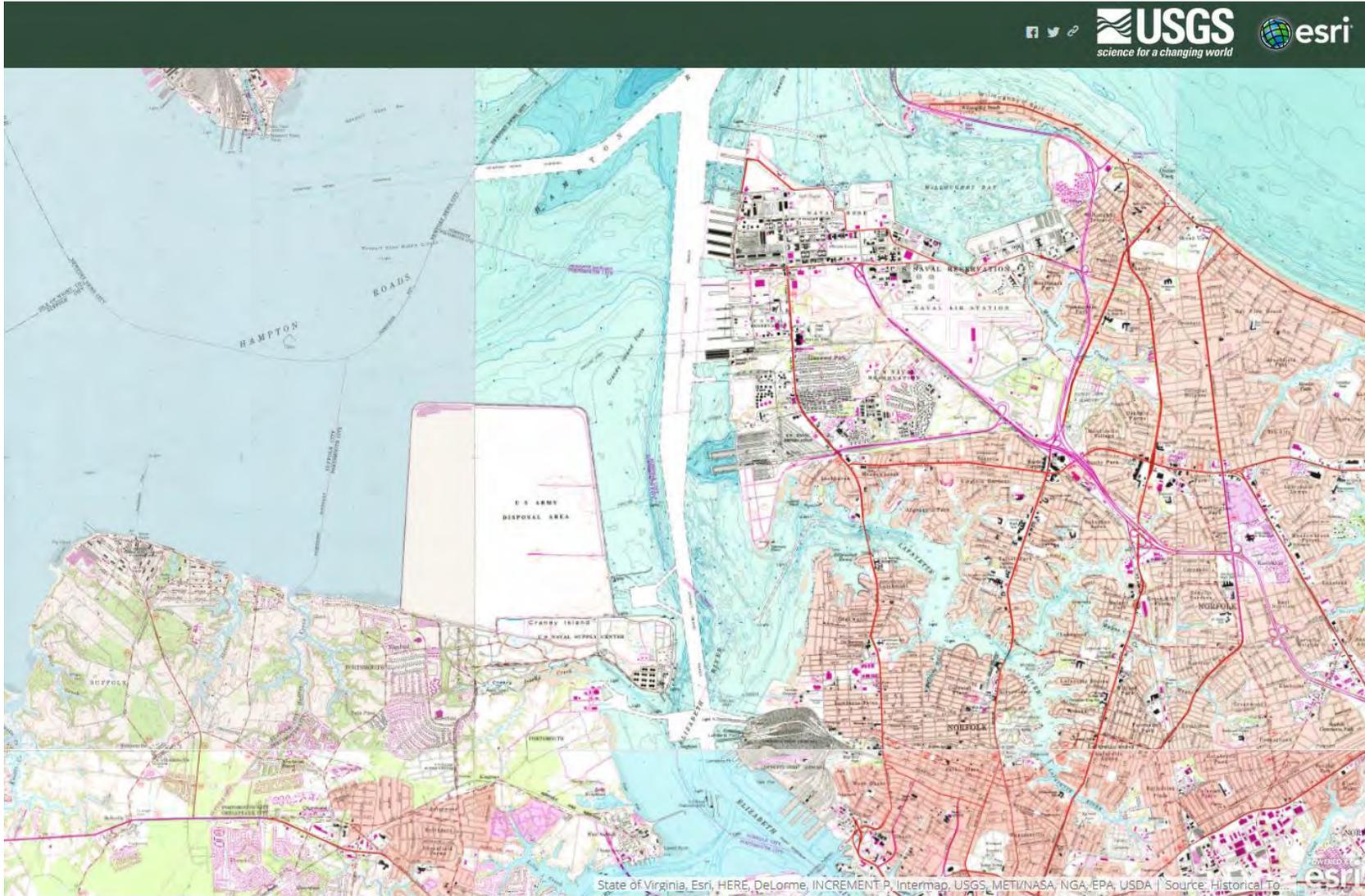
Figure F-25: 1983 Aerial of Suffolk, Portsmouth and Chesapeake to Bowers Hill (USGS, 1983)



Figure F-26: 1983 Aerial of Suffolk, Portsmouth and Chesapeake (USGS, 1983)

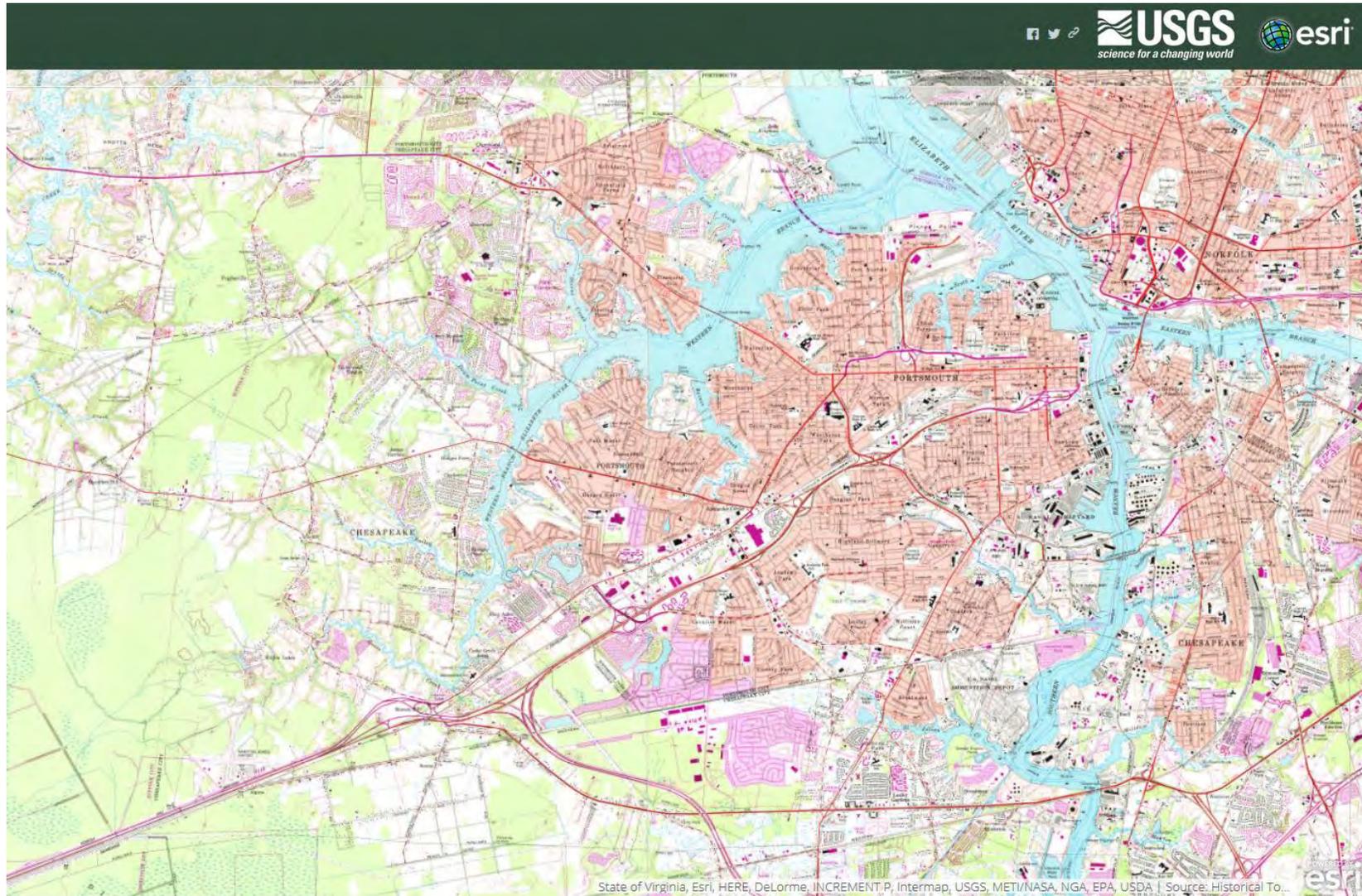


Figure F-27: 1986 Historical Topographic Maps (Norfolk / Portsmouth / Suffolk)



Quadrants: Newport News South, Norfolk North, Little Creek, Bowers Hill, Norfolk South, and Kempsville

Figure F-28: 1986 Historical Topographic Maps (Suffolk / Portsmouth / Chesapeake)



Quadrants: Bowers Hill, Norfolk South, and Kempsville

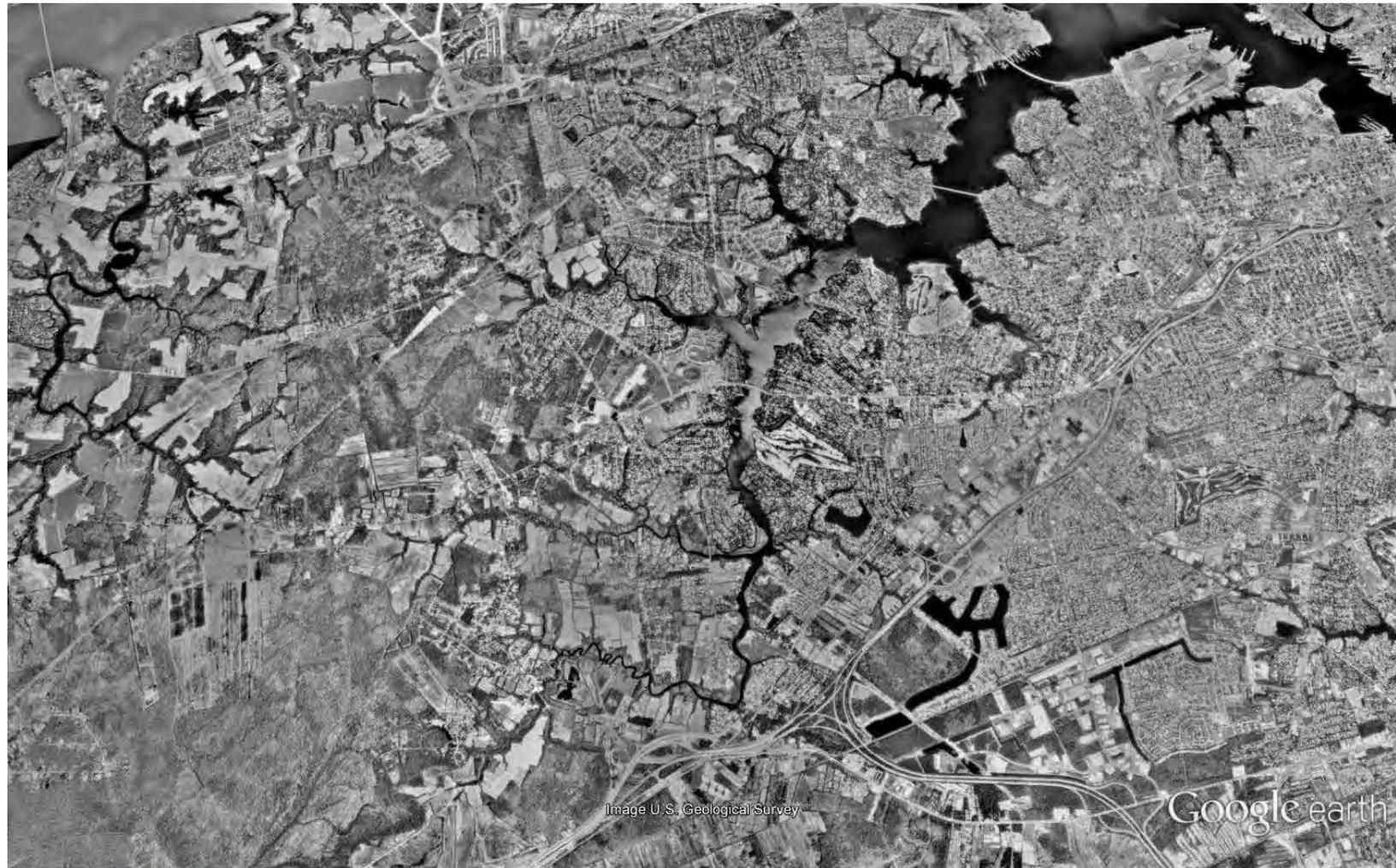
Figure F-29: 1991 Aerial of Portsmouth and Suffolk (Google Earth, 1991)



Google earth



Figure F-30: 1991 Aerial of Suffolk, Portsmouth and Chesapeake to Bowers Hill (Google Earth, 1991)



Google earth

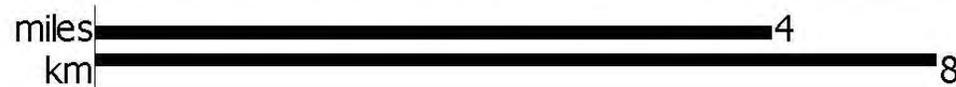


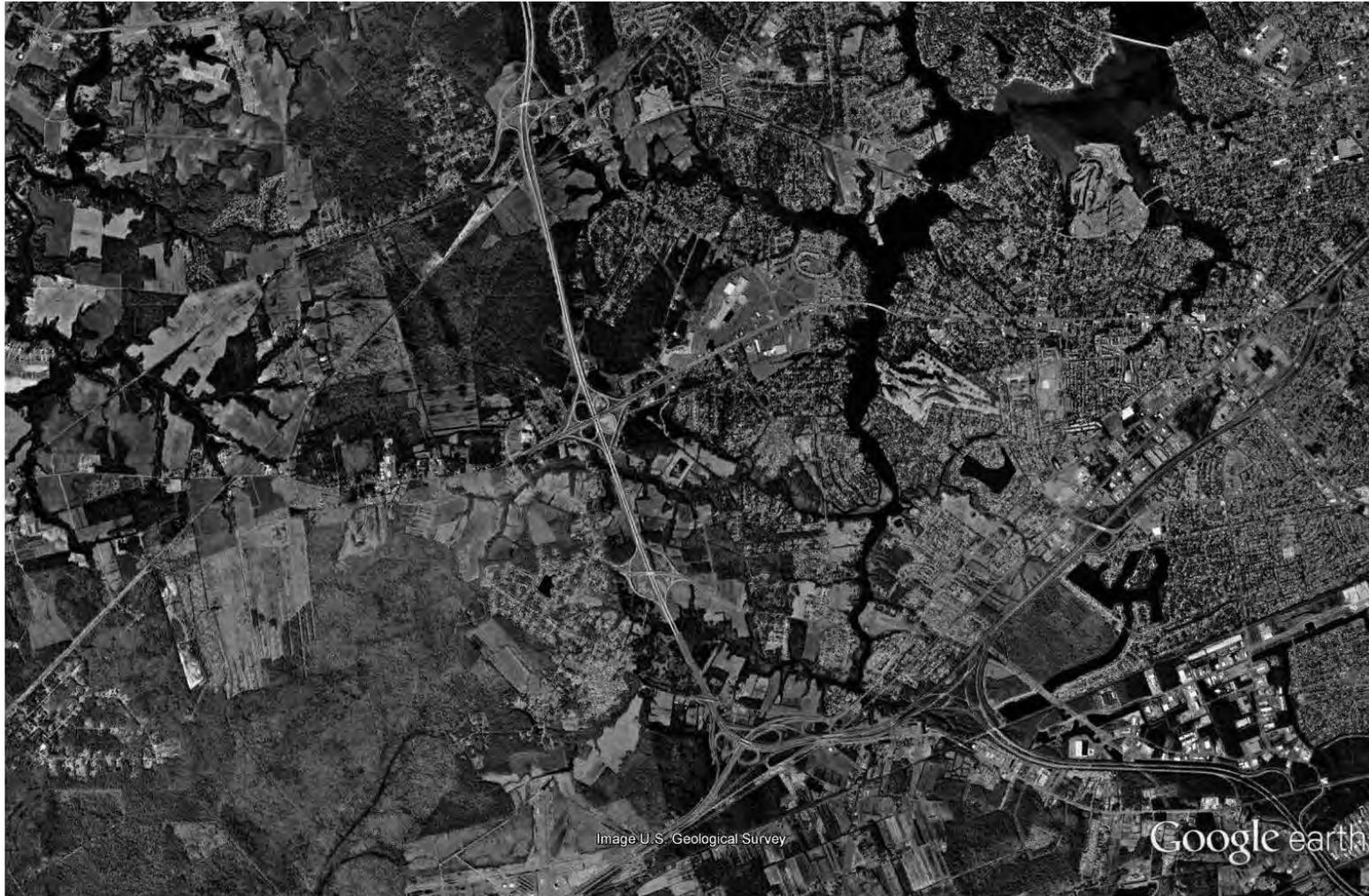
Figure F-31: 2002 Aerial of Suffolk and Portsmouth (Google Earth, 2002)



Google earth



Figure F-32: 2002 Suffolk, Portsmouth and Chesapeake to Bowers Hill (Google Earth, 2002)



Google earth

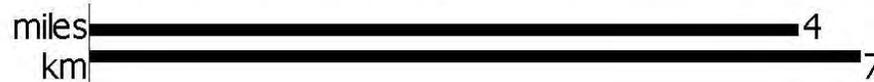
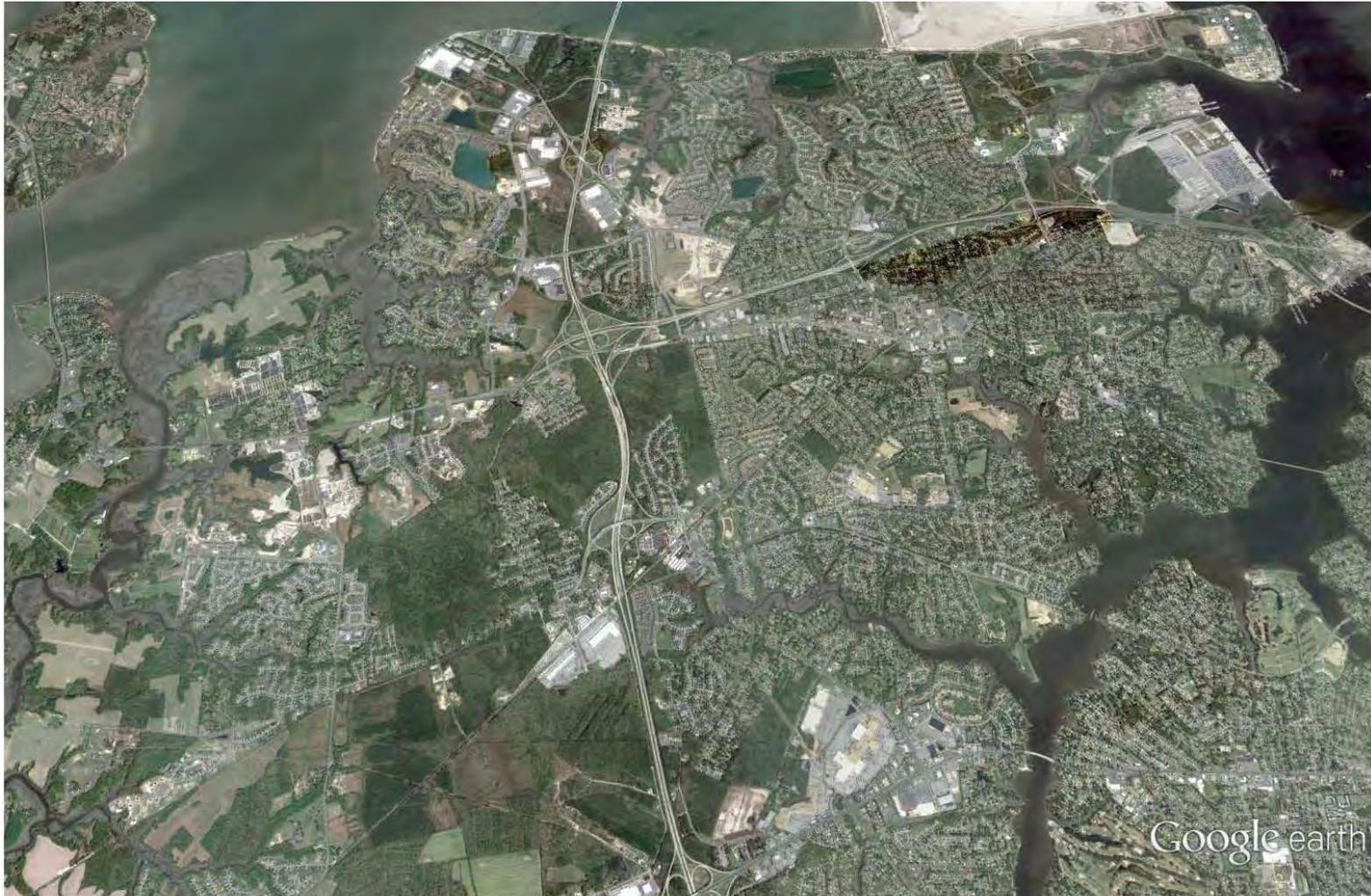


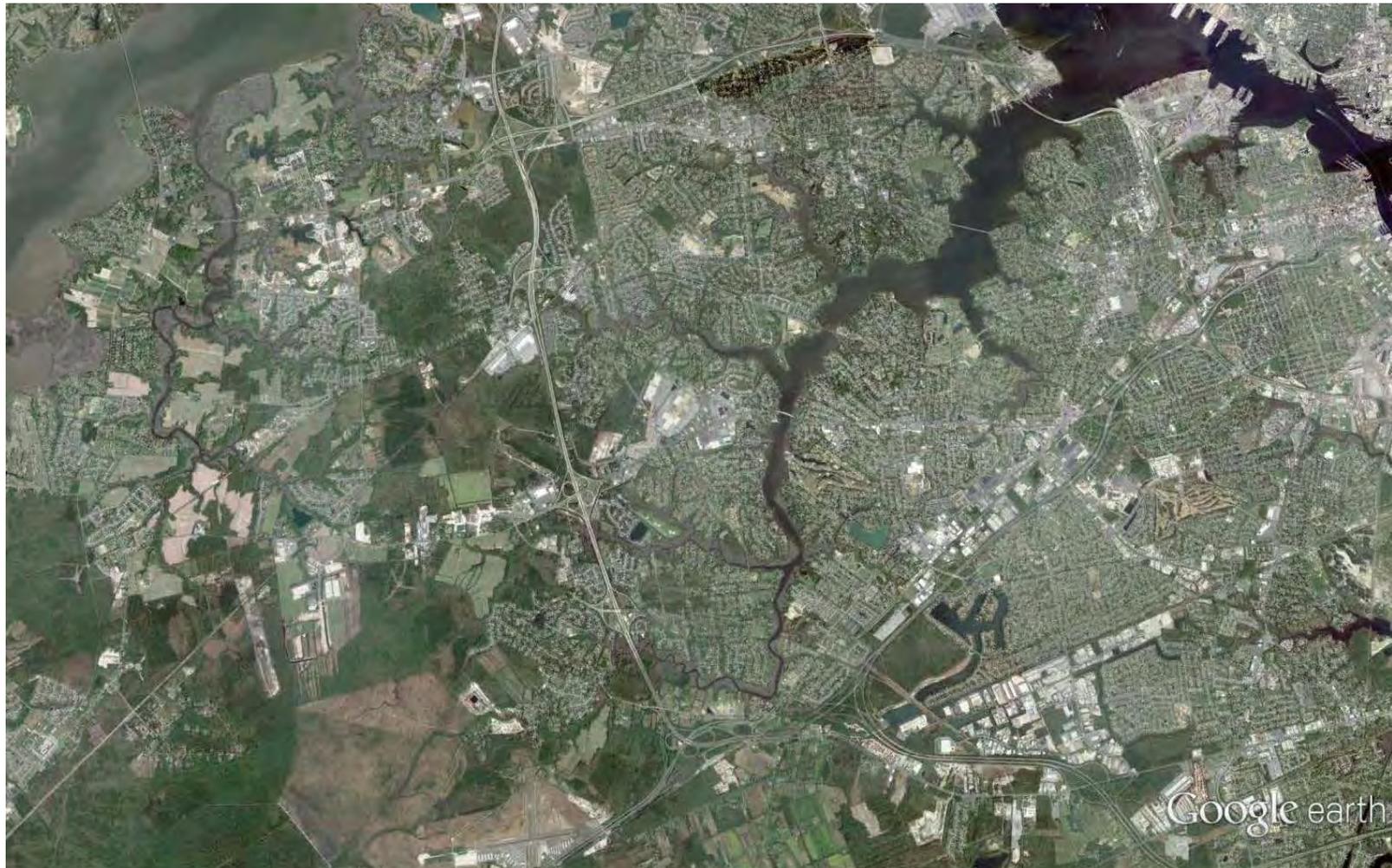
Figure F-33: 2010 Aerial of Suffolk, Portsmouth and Chesapeake (Google Earth, 2010)



Google earth



Figure F-34: 2010 Aerial of Suffolk, Portsmouth and Chesapeake to Bowers Hill (Google Earth, 2010)



Google earth

